

Dylan Rajan Vig

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Education

Cornell University, College of Engineering, Ithaca, NY

Bachelor of Engineering in Computer Science, G.P.A.: 3.6

Expected May 2027

Relevant Coursework: Object-Oriented Programming and Data Structures, Discrete Structures, Multivariable Calculus for Engineers, Engineering Applications of Operations Research

Professional Experience

One Finance, a finance technology company backed by Walmart, New York, NY

Communications Software Engineer | TypeScript, AWS, Terraform, Retool, MySQL

Jun 2024-Present

- Developing a solution to make one-time password email status data accessible to agents, allowing them to verify if customers received their authentication code when registering their account.

Mage Data, New York

Software Engineer | Python

May 2024-Present

- Enhancing the Mage cyber discovery model, used to detect and statically mask sensitive data, by integrating a more accurate and secure categorization and scoring model for identifying the data categories.

Orange Energizing Solutions, New York, NY

Operations Intern | Excel

Jun 2022-Sep 2022, Feb 2023-Aug 2023

- Delivered process improvements of the sales and client databases and existing client orders. Assisted with new installations of gaskets, researched sustainability programs and company partners, and inspected clients' refrigerator LEDs, gaskets, strip curtains, and door closers

NYU Jonathan M. Tisch Center of Hospitality, New York, NY

Tourism Market Research Intern under Professor Anna Abelson

May 2023-Aug 2023

- Conducted a research project covering the impacts of COVID-19 on tourism. Investigated social, economic, and environmental impacts of overtourism

Actasys, New York, NY

Mechanical Engineering Intern on the Actuator Development Team

Jun 2021-Sep 2021

- Worked in collaboration with the Actuator Development team to manufacture the Actasys patented ActaJet technology, tested jet efficiency, and identified potential improvements

Campus Involvement & Leadership

Cornell University Unmanned Air Systems, Ithaca, NY

Software Imaging Systems Subteam Member | React.js, Spring Boot, PostgreSQL

Oct 2023-Present

- Spearheaded a log page project to import and store critical data about the plane's camera settings and manually input observations, which are converted into documented records
- Built features in the ground server backend to send image and target data to a cloud server

TutorLinkNYC (tutorlinknyc.com), New York, NY

Co-Founder + Co-President

Jun 2021-Present

- Provide free tutoring in specialized math curriculums and general homework help to disadvantaged students
- Recruited and managed 150+ high school volunteers to help 250+ K-8th grade students

Projects & Skills

Project: Tour Guide Optimizer | React.js, Spring Boot, PostgreSQL

- Created a web application that utilizes algorithms to optimize the route between multiple input addresses
- Recommends popular tourist sites to add to the route based on where the tour is located

Programming Languages: Java, Python, TypeScript, JavaScript, HTML/CSS, Wolfram

Technical Skills: React.js, Redux.js, Spring Boot, PostgreSQL, MySQL, Git, AWS, Terraform

Interests: Coding, Weightlifting, Traveling, Soccer, Balloon Twisting